

Title (en)
A DEVICE FOR NEUROMODULATION TREATMENT

Title (de)
VORRICHTUNG ZUR NEUROMODULATIONSBEHANDLUNG

Title (fr)
DISPOSITIF DE TRAITEMENT PAR NEUROMODULATION

Publication
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Application
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Abstract (en)

[origin: WO2018064991A1] The invention provides a device for stimulating peripheral nerves, comprising a memory, at least one electrode attached to the patient's body for generating pulses, and a control unit connected with an electrode for setting at least one electrode pulse parameter. The device further includes a detector of response to neuromodulation connected with a control unit for transmitting information on a frequency of movement of at least a part of the body to the control unit, and a controller connected with the control unit for acquiring a user input. The control unit of the device further sets flow of current of electrode pulses automatically, depending on information on a frequency value of movement of a part of the body. The invention further provides a method for treating the syndromes of an overactive bladder using a neuromodulation device. And method of collecting information of such devices.

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Cited by
US11596785B2; US11857778B2; US11890468B1; US11918806B2

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EP 3503960 B1 20200304; EP 3679979 A1 20200715; EP 3679979 B1 20210616; ES 2794562 T3 20201118; ES 2887308 T3 20211222;
HU E055906 T2 20220128; JP 2019529001 A 20191017; JP 2021184904 A 20211209; JP 2024020324 A 20240214; JP 6943955 B2 20211006;
JP 7388747 B2 20231129; KR 102654641 B1 20240404; KR 20190069458 A 20190619; KR 20240070555 A 20240521;
PL 3503960 T3 20200921; PL 3679979 T3 20211227; RU 2019113074 A 20201106; RU 2019113074 A3 20201106; RU 2742502 C2 20210208;
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